

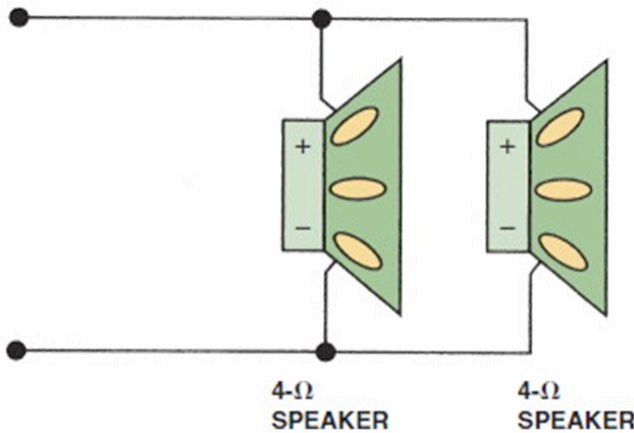
Name \_\_\_\_\_

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

1) Technician A says that crossovers are used to block certain frequencies to allow each type of speaker to perform its job better. Technician B says that a high-pass filter is used to block high-frequency sounds being sent to large woofer speakers, and a low-pass filter blocks low-frequency sounds being sent to tweeters. Who is right? 1) \_\_\_\_\_

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

2) These speakers have a combined impedance of \_\_\_\_\_. 2) \_\_\_\_\_



- A) 2 ohms
- B) 8 ohms
- C) 12 ohms
- D) 16 ohms

3) A Bluetooth signal can typically travel \_\_\_\_\_. 3) \_\_\_\_\_

- A) 33 feet
- B) 10 meters
- C) 10 feet
- D) both A and B

4) To safely install a powerline capacitor, it must first be \_\_\_\_\_. 4) \_\_\_\_\_

- A) precharged
- B) discharged
- C) uncharged
- D) grounded

- 5) An antenna lead-in wire should have how many ohms of resistance between the center terminal and the grounded outer covering? 5) \_\_\_\_\_  
A) Less than 5 ohms  
B) 5-50 ohms  
C) 300-500 ohms  
D) Infinity (OL)
- 6) All of these can cause radio interference, EXCEPT \_\_\_\_\_. 6) \_\_\_\_\_  
A) defective alternator  
B) fault in the ignition system  
C) loose ground wire  
D) open in the radio power circuit
- 7) If two 4 ohm speakers are connected in series, meaning the positive (+) of one speaker is connected to the negative (-) of the other speaker, the total impedance will be \_\_\_\_\_. 7) \_\_\_\_\_  
A) 8 ohms  
B) 6 ohms  
C) 4 ohms  
D) 2 ohms
- 8) What device passes AC interference to ground and blocks DC voltage, and is used to control radio interference? 8) \_\_\_\_\_  
A) Resistor  
B) Capacitor  
C) Coil (inductor)  
D) Transistor
- 9) XM radio service uses \_\_\_\_\_ to transmit the audio signal. 9) \_\_\_\_\_  
A) satellites  
B) repeater towers  
C) both A and B  
D) neither A nor B
- 10) Which of these tools is used to test for a reading of infinity between the center antenna lead and the antenna? 10) \_\_\_\_\_  
A) Voltmeter  
B) Ohmmeter  
C) Test light  
D) Powered test light